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**South Coast Air Quality Management District**

**Engineering & Compliance**

*Policies &  
Procedures*

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**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**

**MEMORANDUM**

**DATE:** May 13, 1985  
**TO:** All Engineering Personnel  
**FROM:** Sanford M. Weiss, Director of Engineering /s/ SMW  
**SUBJECT:** Revised emissions requiring a Stack Data Sheet

At present, all engineers are required to complete a Stack Data Sheet for any permit unit where the emissions are expected to be 25 tons per year or greater. The form presently being completed is dated 10/84.

The Emission Inventory group and the Planning Division are requesting that the stack data be calculated for permit units greater than 17 tons per year. For 17 tons per year, the equivalent average hourly emission rate is 3.9 pounds per hour based on a 24 hours per day, 365 days per year operation, or 17 pounds per hour for an 8 hour day, 250 days per year.

Please use the new Stack Data Sheet with the revision 5/85 in the lower left corner. The only difference between this form and the previous form is the addition of the company ID or address.

JFN/ccb

# STACK DATA SHEET

COMPANY \_\_\_\_\_ APPL. # \_\_\_\_\_

ID OR ADDRESS \_\_\_\_\_ P/C \_\_\_\_\_ P/O \_\_\_\_\_

OPERATION: hrs/day \_\_\_\_\_, days/week \_\_\_\_\_, weeks/year \_\_\_\_\_

## AVERAGE EMISSIONS, POUNDS PER HR

Stack No.	ROG	TOG	NOx	SOx	CO	Part	Other
1							
2							
3							

## SUPPLEMENTARY INFORMATION FOR EACH STACK

STACK NO.	(a) <u>HEIGHT</u> (ft)	(b) <u>DIAMETER</u> (ft)	(c) <u>TEMP.</u> (°F)	(d) <u>FLOW RATE</u> (ACFM)	(e) <u>VELOCITY</u> (ft/sec)
1					
2					
3					

- (a) HEIGHT - distance above ground level to discharge point, feet.
- (b) DIAMETER of discharge point to nearest tenth foot. Note: if not circular insert diameter of equivalent circular area. Using a measured or estimated cross sectional area (A in square feet), the equivalent diameter (De, in feet) may be calculated:

$$De = 1.128\sqrt{A}$$

- (c) TEMPERATURE at discharge point in °F
- (d) FLOW RATE at discharge point in actual ft<sup>3</sup> per minute (ACFM)
- (e) VELOCITY of discharge in ft/sec. average or measured rate.

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Date

Stack Data  
Rev 5/85